

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT TO
MAXIMIZE SERVER THROUGHPUT WHILE AVOIDING SERVER
OVERLOAD BY CONTROLLING THE RATE OF ESTABLISHING
SERVER-SIDE NETWORK CONNECTIONS

ABSTRACT OF THE DISCLOSURE

A method for maximizing server throughput while avoiding overload of a server is presented. The method involves intercepting, via an interface unit, a client request for information from the server. Next, the interface unit determines the current server performance, where the server performance is based on the number of connections opened to the server, the response time of the server and the rate at which the response time is changing. Finally, the interface unit forwards the client request to the server if the current server performance is close to an optimal performance, whereby avoiding overload of the server.

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